14. [6] 13. [6] 13. [6] 14. [6] 14. [6] 14. [6] 15. [

CLOCK HERE

Property Server for Lotus Domino



Intellectual Property Network rch & Research

Home | Search | Order | Shopping Cart | Login | Site Map | Help

Patent Playües,

WO9819679A1: CYCLOPENTYLXANTHINE DERIVATIVES FOR USE IN THE TREATMENT OF CYSTIC FIBROSIS

View Images (27 pages) | View Cart | View INPADOC only

Add to cart: PDF (-2570 KB) | TIFF | Fax | File History |

More choices..

Country: WO World Intellectual Property Organization (WIPO)

Kind: A1 Publ.OF the Int.Appl. with Int.Search Report

Inventor(s): McPHERSON, Margaret, Ann, Wenvoe, Craig-y-Eos Road, Ogmore-by-Sea,

Mid Glamorgan CF32 0PG, United Kingdom

DORMER, Robert, Leslie, Wenvoe, Craig-y-Eos Road, Ogmore-by-Sea, Mid

Glamorgan CF32 0PG, United Kingdom

PEREIRA, Malcolm, Martin, Claude, 6 Longspears Avenue, Heath, Cardiff

CF4 3NU, United Kingdom

Applicant(s): UNIVERSITY OF WALES COLLEGE OF MEDICINE, Heath Park, Cardiff

CF4 4XN, United Kingdom

News, Profiles, Stocks and More about this company

Issued/Filed Dates: May 14, 1998 / Nov. 5, 1997

Application Number: WO1997GB0003036

> IPC Class: A61K 31/52;

ECLA Code: A61K31/52L5; C07D473/06;

Priority Number(s): Nov. 5, 1996 GB1996000229810

Legal Status:

Designated AU, CA, US

Countries:

Abstract: The use of derivatives of theophylline for the preparation of

Show legal status actions

medicaments suitable for the treatment of Cystic Fibrosis is described. In particular, the use of 8-cyclopentyl theophylline (CPT) is described for the preparation of medicaments for the treatment of cystic fibrosis. Such medicaments may be administered orally or directly to the lung, for example, in the form of an aerosol. [Show "fr" Abstract]

Attorney, Agent, or

NEWELL, William, Joseph;

Firm: Family:

Show 7 known family members

Other Abstract Info:

CHEMABS 129(02)019682C CAN129(02)019682C DERABS C98-286578

DERC98-286578

Foreign References:

(No patents reference this one)

Net.Data J

Alternative Searches

Patent Number

Boolean Text

Advanced Text

Nominate this invention for the Gallery...

Browse

U.S. Class by title U.S. Class by number IBM Technical
Disclosure Bulletin

Privacy | Legal | Gallery | IP Pages | Advertising | FAQ | Contact Us

administration.

- 4. The use according to Claim 6 wherein the medical administered in an amount of 0.001 to 25 mg/kg body per day.
 - 5. The use according to Claim 1 or Claim 2 wher medicament is suitable for administering directly lung.
- 20 6. The use according to Claim 5 wherein the medical apharmaceutically acceptable aerosol.

SUBSTITUTE SHEET (RULE 26)





WO 98/19679

PCT/0

17

Claims

1. The use of a compound of formula (1),

wherein R^1 and R^2 are the same or different as represents an alkyl group having from 1 to 5 carbon provided that R^1 and R^2 are not both propyl groups, preparation of a medicament for the treatment of fibrosis.

- 2. The use according to Claim 1 of a compound of
- 10 (1) wherein R^1 and R^2 are both methyl groups.
 - 3. The use according to Claim 1 or Claim 2 wher medicament is suitable for oral or par

$$\bigcap_{N} \bigcap_{N} \bigcap_{N$$

wherein R^1 and R^2 are the same or different ϵ represents an alkyl group having from 1 to 5 carbo SUBSTITUTE SHEET (RULE 26)



5



WO 98/19679

PCT/

18

- 7. The use according to Claim 6 wherein the contains from 0.001 to 0.01% w/w of the compound of (1).
- 8. A compound of formula (1)

wherein R^1 and R^2 are the same or different a represents an alkyl group having from 1 to 5 carbo provided R^1 and R^2 are not both methyl groups or groups.

9. A pharmaceutical formulation comprising a comformula (1)

R¹, O H

WU 98/19679

PCT/

19

provided R¹ and R² are not both propyl groups, togeth a pharmaceutically acceptable carrier therefor.

- 10. The formulation according to Claim 9 which is for oral administration.
- 5 11. The formulation according to Claim 9 which is for administration direct to the lung.
 - 12. The formulation according to Claim 11 which i form of a pharmaceutically acceptable aerosol.
- 13. The formulation according to Claim 9 which is
 10 for parenteral administration.
 - 14. A method of treating cystic fibrosis coadministering a compound of formula (1)

where R¹ and R² are the same or different and each re an alkyl group having from 1 to 5 carbon atoms provi

- alkyl group having from 1 to 5 carbon atoms provided and \mathbb{R}^2 are not both propyl groups.
- 15. The method of claim 14 wherein the compound of
- (1) is administered orally.
- 20 16. The method of claim 14 wherein the compound of
 - (1) is administered intranasally.
 - 17. The method of claim 14 wherein the compound of
 - (1) is administered parenterally.

SUBSTITUTE SHEET (RULE 26)

